

Application No.: 10/691182
Docket No.: FL0210USCIP

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Amendments to Claims

20: (Canceled)

21. (Currently Amended) A process for applying TFE/HFP copolymer to a conductor comprising:

- (a) fluorinating TFE/HFP copolymer in an extruder, and
 - (b) extruding said TFE/HFP onto a conductor
- wherein said fluorinating comprises
- (i) melting said fluoropolymer copolymer,
 - (ii) contacting said molten fluoropolymer copolymer with fluorine in isolation from said melting, said contacting being carried out in a reaction zone having free volume,
 - (iii) subdividing molten fluoropolymer copolymer in said reaction zone to enable said fluorine to effectively contact said molten fluoropolymer copolymer so as to carry out the chemical reaction between said fluorine and said molten fluoropolymer copolymer,
 - (iv) devolatilizing the resultant molten fluoropolymer copolymer in isolation from (b) and (c), and
 - (v) cooling the devolatilized fluoropolymer copolymer.